

| L Number | Hits | Search Text | DB | Time stamp |
|----------|-------|---|--------------------|------------------|
| 1 | 1633 | 544/405, 514/255.05 | USPAT; US-PGPUB | 2003/09/03 11:47 |
| 2 | 16910 | pest or insecticide | USPAT; US-PGPUB | 2003/09/03 11:47 |
| 3 | 51 | (544/405, 514/255.05) and (pest or insecticide) | USPAT; US-PGPUB | 2003/09/03 11:48 |

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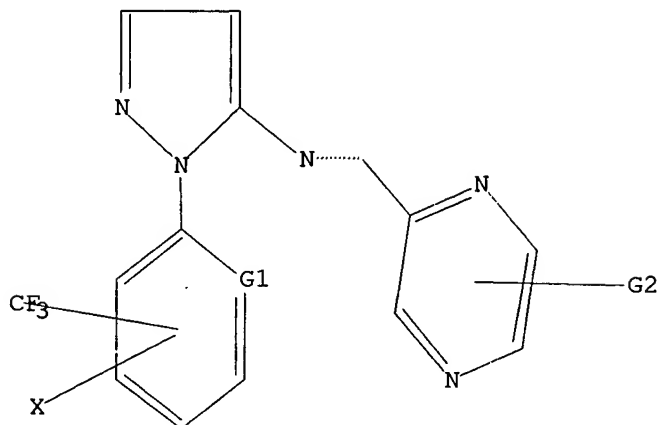
Uploading 10028786.str

L1 STRUCTURE UPLOADED

=> d l1

L1 HAS NO ANSWERS

L1 STR



G1 C,N

G2 H,Ak,X

Structure attributes must be viewed using STN Express query preparation.

=> s l1

SAMPLE SEARCH INITIATED 09:15:09 FILE 'REGISTRY'

SAMPLE SCREEN SEARCH COMPLETED - 1 TO ITERATE

100.0% PROCESSED 1 ITERATIONS

1 ANSWERS

SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE **COMPLETE**
BATCH **COMPLETE**

PROJECTED ITERATIONS: 1 TO 80

PROJECTED ANSWERS: 1 TO 80

L2 1 SEA SSS SAM L1

=> s l1 sss full

FULL SEARCH INITIATED 09:15:48 FILE 'REGISTRY'

FULL SCREEN SEARCH COMPLETED - 26 TO ITERATE

100.0% PROCESSED 26 ITERATIONS

24 ANSWERS

SEARCH TIME: 00.00.01

L3 24 SEA SSS FUL L1

=> file caplus

COST IN U.S. DOLLARS

SINCE FILE
ENTRYTOTAL
SESSION

Habte

9/03/2003

FULL ESTIMATED COST

148.55

148.76

FILE 'CAPLUS' ENTERED AT 09:15:53 ON 03 SEP 2003
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FILE COVERS 1907 - 3 Sep 2003 VOL 139 ISS 10
FILE LAST UPDATED: 1 Sep 2003 (20030901/ED)

This file contains CAS Registry Numbers for easy and accurate substance identification.

=> s l3

L4 5 L3

=> d ibib abs hitstr tot

L4 ANSWER 1 OF 5 CAPLUS COPYRIGHT 2003 ACS on STN
 ACCESSION NUMBER: 2002:900798 CAPLUS
 DOCUMENT NUMBER: 138:4595
 TITLE: Preparation of heteroaryl fluoroalkyl sulfides
 INVENTOR(S): Okui, Chikako; Sumitani, Naoko; Okano, Kazuya
 PATENT ASSIGNEE(S): MITSUBISHI Chemical Corp., Japan
 SOURCE: Jpn. Kokai Tokkyo Koho, 7 pp.
 CODEN: JXXXXF
 DOCUMENT TYPE: Patent
 LANGUAGE: Japanese
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

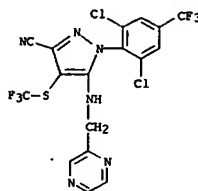
| PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|-----------------------|------|------------------------------------|-----------------|----------|
| JP 2002338547 | A2 | 20021127 | JP 2001-151958 | 20010522 |
| PRIORITY APPL. INFO.: | | | JP 2001-151958 | 20010522 |
| OTHER SOURCE(S): | | CASREACT 138:4595; MARPAT 138:4595 | | |
| GI | | | | |



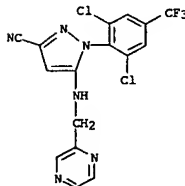
AB The sulfides I [R = SR₁; R₁ = fluoroalkyl; ring A = (un)substituted heteroatom. ring], useful as drugs and agrochems. (no data), e.g. insecticidal (trifluoromethylsulfenyl)pyrazoles, are prepd. by treating RISSO2R2 [R₁ = same as above; R₂ = (un)substituted alkyl, aryl] with I (R = H; A = same as above). A mixt. of 1-(2,6-dichloro-4-trifluoromethylphenyl)-3-cyano-5-aminopyrazole and p-toluenesulfonic acid dimethylamine salt was treated with a toluene soln. of CF₃SO₂CF₃ at room temp. overnight to give 60% 1-(2,6-dichloro-4-(trifluoromethylphenyl)-3-cyano-4-trifluoromethylsulfenyl-5-aminopyrazole at 96% conversion.

IT 315208-06-1P
 RL: IMF (Industrial manufacture); SPN (Synthetic preparation); PREP (Preparation)
 (prepn. of heteroaryl fluoroalkyl sulfides by sulfonylation of heteroatom. compds. with S-fluoroalkyl thiosulfonates)
 RN 315208-06-1 CAPLUS
 CN 1H-Pyrazole-3-carbonitrile, 1-[2,6-dichloro-4-(trifluoromethyl)phenyl]-5-[(pyrazinylmethyl)amino]-4-[(trifluoromethyl)thio]- (9CI) (CA INDEX NAME)

L4 ANSWER 1 OF 5 CAPLUS COPYRIGHT 2003 ACS on STN (Continued)

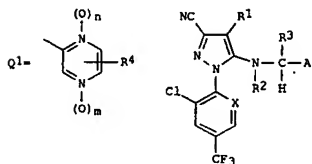


IT 315208-03-8
 RL: RCT (Reactant); RACT (Reactant or reagent)
 (prepn. of heteroaryl fluoroalkyl sulfides by sulfonylation of heteroatom. compds. with S-fluoroalkyl thiosulfonates)
 RN 315208-03-8 CAPLUS
 CN 1H-Pyrazole-3-carbonitrile, 1-[2,6-dichloro-4-(trifluoromethyl)phenyl]-5-[(pyrazinylmethyl)amino]- (9CI) (CA INDEX NAME)



L4 ANSWER 2 OF 5 CAPLUS COPYRIGHT 2003 ACS on STN
 ACCESSION NUMBER: 2002:747741 CAPLUS
 DOCUMENT NUMBER: 137:279212
 TITLE: Preparation of pyrazoles as insecticides and pesticides
 INVENTOR(S): Okui, Chikako
 PATENT ASSIGNEE(S): MITSUBISHI Chemical Corp., Japan
 SOURCE: Jpn. Kokai Tokkyo Koho, 13 pp.
 CODEN: JXXXXF
 DOCUMENT TYPE: Patent
 LANGUAGE: Japanese
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

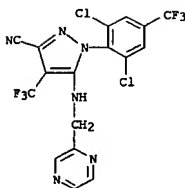
| PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|-----------------------|------|-------------------|-----------------|----------|
| JP 2002284781 | A2 | 20021003 | JP 2001-86953 | 20010326 |
| PRIORITY APPL. INFO.: | | | JP 2001-86953 | 20010326 |
| OTHER SOURCE(S): | | MARPAT 137:279212 | | |
| GI | | | | |



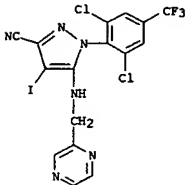
AB The title compds. I [X = N, etc.; R₁ = halo, etc.; R₂ = H, alkyl, etc.; R₃ = H, alkyl; A = Q1, etc.; m, n = 0 or 1; R₄ = H, alkyl, etc.] are prepd. Compds. of this invention at 500 ppm gave 100% kill of larvae of *Spodoptera litura*.

IT 465499-39-2P 465499-40-5P
 RL: AGR (Agricultural use); BSU (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses)
 (prepn. of pyrazoles as insecticides and pesticides)
 RN 465499-39-2 CAPLUS
 CN 1H-Pyrazole-3-carbonitrile, 1-[2,6-dichloro-4-(trifluoromethyl)phenyl]-5-[(pyrazinylmethyl)amino]-4-(trifluoromethyl)- (9CI) (CA INDEX NAME)

L4 ANSWER 2 OF 5 CAPLUS COPYRIGHT 2003 ACS on STN (Continued)

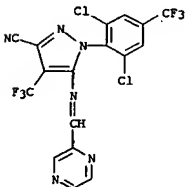


RN 465499-40-5 CAPLUS
 CN 1H-Pyrazole-3-carbonitrile, 1-[2,6-dichloro-4-(trifluoromethyl)phenyl]-4-iodo-5-[(pyrazinylmethyl)amino]- (9CI) (CA INDEX NAME)



IT 465499-41-6P 465499-42-7P
 RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
 (prepn. of pyrazoles as insecticides and pesticides)

RN 465499-41-6 CAPLUS
 CN 1H-Pyrazole-3-carbonitrile, 1-[2,6-dichloro-4-(trifluoromethyl)phenyl]-5-[(pyrazinylmethyl)amino]-4-(trifluoromethyl)- (9CI) (CA INDEX NAME)



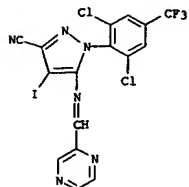
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L4 ANSWER 2 OF 5 CAPLUS COPYRIGHT 2003 ACS on STN (Continued)

RN 465499-42-7 CAPLUS

CN 1H-Pyrazole-3-carbonitrile, 1-[2,6-dichloro-4-(trifluoromethyl)phenyl]-4-iodo-5-[(pyrazinylmethylene)amino]- (9CI) (CA INDEX NAME)



L4 ANSWER 3 OF 5 CAPLUS COPYRIGHT 2003 ACS on STN

ACCESSION NUMBER: 2002:658075 CAPLUS

DOCUMENT NUMBER: 137:201303

TITLE: Process for preparation of polyfluoroalkylsulfenyl compounds

INVENTOR(S): Okano, Kazuya; He, Liangyou

PATENT ASSIGNEE(S): Mitsubishi Chemical Corporation, Japan

SOURCE: PCT Int. Appl., 41 pp.

CODEN: PIXX02

DOCUMENT TYPE: Patent

LANGUAGE: Japanese

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

| PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|---|------|----------|-----------------|------------|
| WO 2002066423 | A1 | 20020829 | WO 2002-JP1558 | 20020221 |
| W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZH, ZW, AH, AZ, BY, BG, BR, BU, CA, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG | | | | |
| JP 2002249480 | A2 | 20020906 | JP 2001-46036 | 20010222 |
| JP 2002249485 | A2 | 20020906 | JP 2001-46037 | 20010222 |
| JP 2003128644 | A2 | 20030508 | JP 2001-318198 | 20011016 |
| PRIORITY APPLW. INFO.: | | | JP 2001-46036 | A 20010222 |
| | | | JP 2001-46037 | A 20010222 |
| | | | JP 2001-318198 | A 20011016 |

OTHER SOURCE(S): CASREACT 137:201303; MARPAT 137:201303

AB Disulfides react with hydrazine and/or metal borohydrides and polyfluoroalkyl halides to prep. the title compds. Thus, bis(1-(2,6-dichloro-4-(trifluoromethyl)phenyl)-3-carbonitrile-5-(pyrazine-2-ylmethylamino)pyrazole-4-yl) disulfide was prepd., mixed with an aq. soln. contg. K carbonate and hydrazine and treated with CF3I to prep. 1-(2,6-dichloro-4-(trifluoromethyl)phenyl)-4-(trifluoromethylsulfenyl)-5-(pyrazine-2-ylmethylamino)pyrazine-2-ylmethylaminopyrazole-3-carbonitrile.

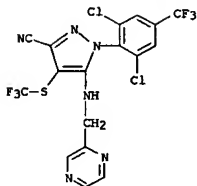
IT 315208-06-1P 452370-21-7P

RL: IMF (Industrial manufacture); PREP (Preparation)
(reaction of disulfides and hydrazine and metal borohydrides and polyfluoroalkyl halides for prepn. of polyfluoroalkylsulfenyl compds.)

RN 315208-06-1 CAPLUS

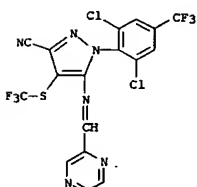
CN 1H-Pyrazole-3-carbonitrile, 1-[2,6-dichloro-4-(trifluoromethyl)phenyl]-5-[(pyrazinylmethyl)amino]-4-[(trifluoromethyl)thio]- (9CI) (CA INDEX NAME)

L4 ANSWER 3 OF 5 CAPLUS COPYRIGHT 2003 ACS on STN (Continued)



RN 452370-21-7 CAPLUS

CN 1H-Pyrazole-3-carbonitrile, 1-[2,6-dichloro-4-(trifluoromethyl)phenyl]-5-[(pyrazinylmethylene)amino]-4-[(trifluoromethyl)thio]- (9CI) (CA INDEX NAME)



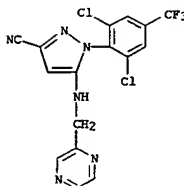
IT 315208-03-8P 315208-37-8P 452370-20-6P

RL: IMF (Industrial manufacture); RCT (Reactant); PREP (Preparation); RACT (Reactant or reagent)
(reaction of disulfides and hydrazine and metal borohydrides and polyfluoroalkyl halides for prepn. of polyfluoroalkylsulfenyl compds.)

RN 315208-03-8 CAPLUS

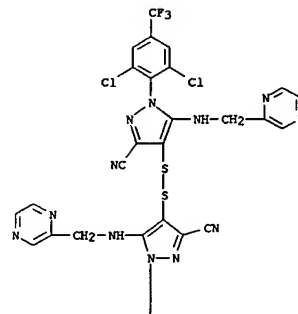
CN 1H-Pyrazole-3-carbonitrile, 1-[2,6-dichloro-4-(trifluoromethyl)phenyl]-5-[(pyrazinylmethyl)amino]- (9CI) (CA INDEX NAME)

L4 ANSWER 3 OF 5 CAPLUS COPYRIGHT 2003 ACS on STN (Continued)



RN 315208-37-8 CAPLUS

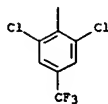
CN 1H-Pyrazole-3-carbonitrile, 4,4'-dithiobis[1-[2,6-dichloro-4-(trifluoromethyl)phenyl]-5-[(pyrazinylmethyl)amino]- (9CI) (CA INDEX NAME)



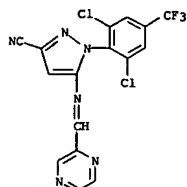
PAGE 1-A

L4 ANSWER 3 OF 5 CAPLUS COPYRIGHT 2003 ACS on STN (Continued)

PAGE 2-A



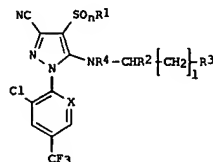
RN 452370-20-6 CAPLUS
 CN 1H-Pyrazole-3-carbonitrile, 1-[2,6-dichloro-4-(trifluoromethyl)phenyl]-5-[(pyrazinylmethylene)amino]- (9CI) (CA INDEX NAME)



REFERENCE COUNT: 5 THERE ARE 5 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 4 OF 5 CAPLUS COPYRIGHT 2003 ACS on STN
 ACCESSION NUMBER: 2002:514177 CAPLUS
 DOCUMENT NUMBER: 137:59011
 TITLE: Agrochemical insecticide and fungicide compositions containing pyrazoles
 INVENTOR(S): Fukuchi, Toshiki
 PATENT ASSIGNEE(S): Mitsubishi Chemical Corp., Japan
 SOURCE: Jpn. Kokai Tokkyo Koho, 13 pp.
 CODEN: JXOXAIF
 DOCUMENT TYPE: Patent
 LANGUAGE: Japanese
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

| PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|--|------|----------|-----------------|----------|
| JP 2002193709 | A2 | 20020710 | JP 2000-397319 | 20001227 |
| PRIORITY APPLN. INFO.: JP 2000-397319 20001227 | | | | |
| OTHER SOURCE(S): MARPAT 137:59011 | | | | |

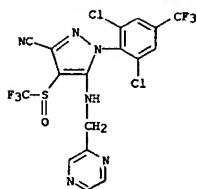


AB The comps. contain insecticidal pyrazoles I [R1 = Cl-4 (halo)alkyl; R2 = H, Cl-4 alkyl; R3 = H, OH, Cl-4 (halo)alkyl, alkoxy, etc.; R4 = H, Cl-4 alkyl, Cl-4 acyl; X = N, halo-substituted C; l, n = 0, 1, 2], insecticidal comps. controlling Hemiptera and Coleoptera, and fungicidal comps. controlling Pyricularia oryzae. The comps. show broad-spectrum and long-lasting pesticidal effect and are useful for rice. A granule was prep. from I (R1 = CH2F, R2 = R4 = H, R3 = pyrazin-2-yl, X = CCl, l = n = 0) 1, benfuracarb 5, probenazole 10, bentonite 30, clay 49, and Ca ligninsulfonate 5 wt. parts.

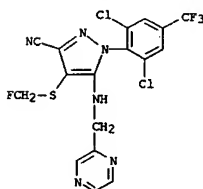
IT 315207-96-6 315208-17-4
 RL: AGR (Agricultural use); BSU (Biological study, unclassified); BIOL (Biological study); USES (Uses)
 (agrochem. insecticide and fungicide comps. for rice)

RN 315207-96-6 CAPLUS
 CN 1H-Pyrazole-3-carbonitrile, 1-[2,6-dichloro-4-(trifluoromethyl)phenyl]-5-[(pyrazinylmethyl)amino]-4-[(trifluoromethyl)sulfinyl]- (9CI) (CA INDEX NAME)

L4 ANSWER 4 OF 5 CAPLUS COPYRIGHT 2003 ACS on STN (Continued)



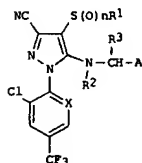
RN 315208-17-4 CAPLUS
 CN 1H-Pyrazole-3-carbonitrile, 1-[2,6-dichloro-4-(trifluoromethyl)phenyl]-4-[(fluoromethyl)thio]-5-[(pyrazinylmethyl)amino]- (9CI) (CA INDEX NAME)



L4 ANSWER 5 OF 5 CAPLUS COPYRIGHT 2003 ACS on STN

ACCESSION NUMBER: 2001:12447 CAPLUS
 DOCUMENT NUMBER: 134:71609
 TITLE: Preparation of 4-amino-1-phenyl-3-cyanopyrazole derivatives and process for producing the same, and pesticides containing the same as the active ingredient
 INVENTOR(S): Okui, Shuko; Kyomura, Nobuo; Fukuchi, Toshiki; Tanaka, Kazuo; Matsurada, Manabu; Okano, Kazuya; Sumitani, Naoko; Miyauchi, Akiko; Yabe, Akiko
 PATENT ASSIGNEE(S): Mitsubishi Chemical Corporation, Japan
 SOURCE: PCT Int. Appl., 64 pp.
 CODEN: PIXXD2
 DOCUMENT TYPE: Patent
 LANGUAGE: Japanese
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

| PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|---|------|----------|-----------------|----------|
| WO 2001000614 | A1 | 20010104 | WO 2000-JP4258 | 20000628 |
| W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MY, NZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM | | | | |
| RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG | | | | |
| JP 2001072676 | A2 | 20010321 | JP 2000-192073 | 20000627 |
| EP 1197492 | A1 | 20020417 | EP 2000-940868 | 20000628 |
| R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO | | | | |
| BR 2000011992 | A | 20020702 | BR 2000-11992 | 20000628 |
| US 2003060471 | A1 | 20030327 | US 2001-28786 | 20011228 |
| PRIORITY APPLN. INFO.: JP 1999-183102 A 19990629 | | | | |
| OTHER SOURCE(S): MARPAT 134:71609 | | | | |

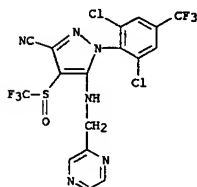


AB Novel 1-aryl-3-cyano-5-heteroarylalkylaminopyrazole derivs. represented by
 9/03/2003

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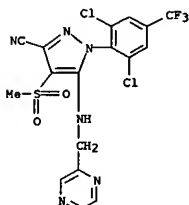
L4 ANSWER 5 OF 5 CAPLUS COPYRIGHT 2003 ACS on STN (Continued)
 general formula (I): A = (un)substituted piperazine, pyrimidine, pyridine, or pyridazine; X represents N or C-halogeno; R1 represents alkyl, alkenyl, alkynyl or haloalkyl; R2 represents hydrogen, alkyl or acyl; R3 represents hydrogen or alkyl; and n is 0, 1 or 2, provided that R1 is haloalkyl (other than perhaloalkyl) when A is Q and n is 0, and that n is not 0 when A is Q3) are prepd. These compds. are useful as pesticides against insects, aphids, and flea having a high penetration/migration activity and a high safety with little effect on the application environment. Thus, 5-amino-1-(2,6-dichloro-4-(trifluoromethyl)phenyl)-4-(trifluoromethylsulfinyl)pyrazole-3-carbonitrile and 2-formylpyrazine were refluxed in the presence of p-MeC6H4SO3H.H2O in toluene with removal of water for 10 to give crude 1-(2,6-dichloro-4-(trifluoromethyl)phenyl)-4-(trifluoromethylsulfinyl)-5-[(pyrazin-2-ylmethylene)amino]pyrazole-3-carbonitrile which was reduced by NaBH4 in MeOH with stirring at room temp. for 1 h to give 1-(2,6-dichloro-4-(trifluoromethyl)phenyl)-4-(trifluoromethylsulfinyl)-5-[(pyrazin-2-ylmethyl)amino]pyrazole-3-carbonitrile (II). II at 500 ppm killed 100% Nilaparvata lugens larvae on rice seedlings.

IT 315207-96-6P 315207-98-8P 315208-06-1P
 315208-09-4P 315208-10-7P 315208-12-9P
 315208-14-1P 315208-17-4P 315208-20-9P
 RL: ARG (Analytical reagent use); BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); ANST (Analytical study); BIOL (Biological study); PREP (Preparation); USES (Uses)
 (prepn. of aminophenylcyanopyrazole derivs. as pesticides against insects, aphids, and flea)
 RN 315207-96-6 CAPLUS
 CN 1H-Pyrazole-3-carbonitrile, 1-[2,6-dichloro-4-(trifluoromethyl)phenyl]-5-[(pyrazinylmethyl)amino]-4-[(trifluoromethyl)sulfinyl]- (9CI) (CA INDEX NAME)

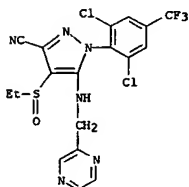


RN 315207-98-8 CAPLUS
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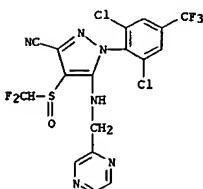
L4 ANSWER 5 OF 5 CAPLUS COPYRIGHT 2003 ACS on STN (Continued)



RN 315208-10-7 CAPLUS
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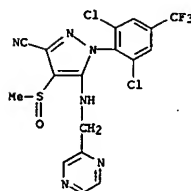


RN 315208-12-9 CAPLUS
 CN 1H-Pyrazole-3-carbonitrile, 1-[2,6-dichloro-4-(trifluoromethyl)phenyl]-4-[(difluoromethyl)sulfinyl]-5-[(pyrazinylmethyl)amino]- (9CI) (CA INDEX NAME)

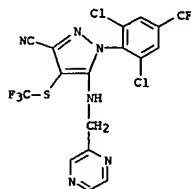


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L4 ANSWER 5 OF 5 CAPLUS COPYRIGHT 2003 ACS on STN (Continued)



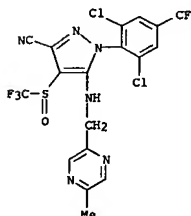
RN 315208-06-1 CAPLUS
 CN 1H-Pyrazole-3-carbonitrile, 1-[2,6-dichloro-4-(trifluoromethyl)phenyl]-5-[(pyrazinylmethyl)amino]-4-[(trifluoromethyl)thio]- (9CI) (CA INDEX NAME)



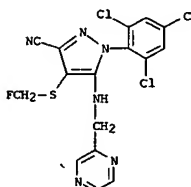
RN 315208-09-4 CAPLUS
 CN 1H-Pyrazole-3-carbonitrile, 1-[2,6-dichloro-4-(trifluoromethyl)phenyl]-4-(methylsulfonyl)-5-[(pyrazinylmethyl)amino]- (9CI) (CA INDEX NAME)

L4 ANSWER 5 OF 5 CAPLUS COPYRIGHT 2003 ACS on STN (Continued)

RN 315208-14-1 CAPLUS
 CN 1H-Pyrazole-3-carbonitrile, 1-[2,6-dichloro-4-(trifluoromethyl)phenyl]-5-[(5-methylpyrazinyl)methylamino]-4-[(trifluoromethyl)sulfinyl]- (9CI) (CA INDEX NAME)



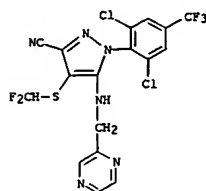
RN 315208-17-4 CAPLUS
 CN 1H-Pyrazole-3-carbonitrile, 1-[2,6-dichloro-4-(trifluoromethyl)phenyl]-4-[(fluoromethyl)thio]-5-[(pyrazinylmethyl)amino]- (9CI) (CA INDEX NAME)



RN 315208-20-9 CAPLUS
 CN 1H-Pyrazole-3-carbonitrile, 1-[2,6-dichloro-4-(trifluoromethyl)phenyl]-4-[(difluoromethyl)thio]-5-[(pyrazinylmethyl)amino]- (9CI) (CA INDEX NAME)

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L4 ANSWER 5 OF 5 CAPLUS COPYRIGHT 2003 ACS on STN (Continued)

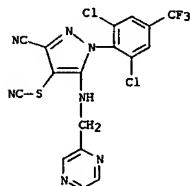


IT 315208-07-2 315208-37-8

RL: RCT (Reactant); RACT (Reactant or reagent)
(prepn. of aminophenylcyanopyrazole derivs. as pesticides against insects, aphids, and flea)

RN 315208-07-2 CAPLUS

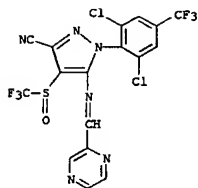
CN Thiocyanic acid, 3-cyano-1-[2,6-dichloro-4-(trifluoromethyl)phenyl]-5-[(pyrazinylmethyl)amino]-1H-pyrazol-4-yl ester (9CI) (CA INDEX NAME)



RN 315208-37-8 CAPLUS

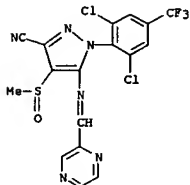
CN 1H-Pyrazole-3-carbonitrile, 4,4'-dithiobis[1-[2,6-dichloro-4-(trifluoromethyl)phenyl]-5-[(pyrazinylmethyl)amino]- (9CI) (CA INDEX NAME)

L4 ANSWER 5 OF 5 CAPLUS COPYRIGHT 2003 ACS on STN (Continued)



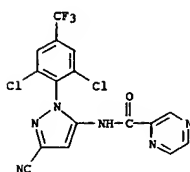
RN 315207-99-9 CAPLUS

CN 1H-Pyrazole-3-carbonitrile, 1-[2,6-dichloro-4-(trifluoromethyl)phenyl]-4-(methylsulfinyl)-5-[(pyrazinylmethylene)amino]- (9CI) (CA INDEX NAME)



RN 315208-01-6 CAPLUS

CN Pyrazinecarboximide, N-[3-cyano-1-[2,6-dichloro-4-(trifluoromethyl)phenyl]-1H-pyrazol-5-yl]- (9CI) (CA INDEX NAME)



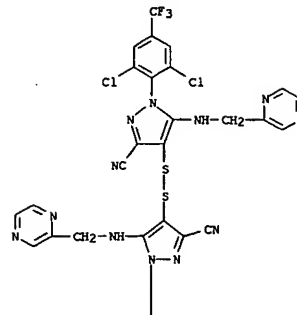
RN 315208-02-7 CAPLUS

CN Pyrazinecarboximide, N-[3-cyano-1-[2,6-dichloro-4-(trifluoromethyl)phenyl]-1H-pyrazol-5-yl]- (9CI) (CA INDEX NAME)

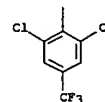
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L4 ANSWER 5 OF 5 CAPLUS COPYRIGHT 2003 ACS on STN (Continued)

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PAGE 2-A



IT 315207-97-7P 315207-99-9P 315208-01-6P

315208-02-7P 315208-03-8P 315208-04-9P

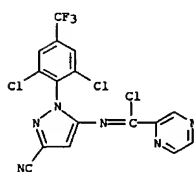
315208-05-0P

RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(prepn. of aminophenylcyanopyrazole derivs. as pesticides against insects, aphids, and flea)

RN 315207-97-7 CAPLUS

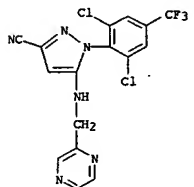
CN 1H-Pyrazole-3-carbonitrile, 1-[2,6-dichloro-4-(trifluoromethyl)phenyl]-5-[(pyrazinylmethylene)amino]-4-[(trifluoromethyl)sulfinyl]- (9CI) (CA INDEX NAME)

L4 ANSWER 5 OF 5 CAPLUS COPYRIGHT 2003 ACS on STN (Continued)



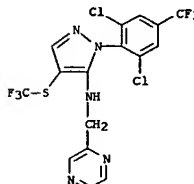
RN 315208-03-8 CAPLUS

CN 1H-Pyrazole-3-carbonitrile, 1-[2,6-dichloro-4-(trifluoromethyl)phenyl]-5-[(pyrazinylmethylene)amino]- (9CI) (CA INDEX NAME)



RN 315208-04-9 CAPLUS

CN Pyrazinemethanamine, N-[1-[2,6-dichloro-4-(trifluoromethyl)phenyl]-4-[(trifluoromethyl)thio]-1H-pyrazol-5-yl]- (9CI) (CA INDEX NAME)

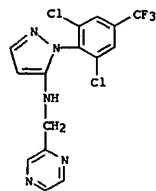


RN 315208-05-0 CAPLUS

CN Pyrazinemethanamine, N-[1-[2,6-dichloro-4-(trifluoromethyl)phenyl]-1H-pyrazol-5-yl]- (9CI) (CA INDEX NAME)

9/03/2003

L4 ANSWER 5 OF 5 CAPLUS COPYRIGHT 2003 ACS on STN (Continued)



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